C-5 Carboxamides

C-5 Ester

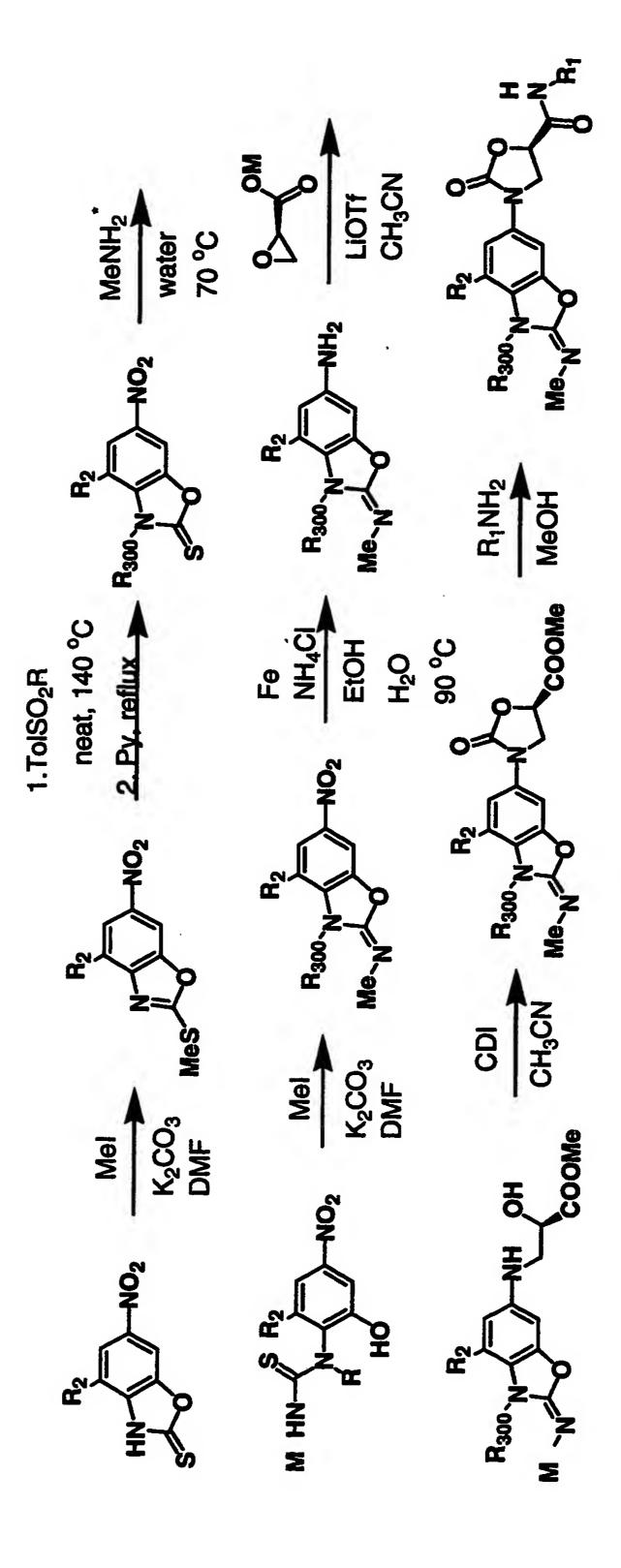
Synthetic Routes to Key Heterocyclic Pyridines/Pyrimidines

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Bu₃Sn
$$\stackrel{\wedge}{\longrightarrow}$$
 $\stackrel{\wedge}{\longrightarrow}$ $\stackrel{\wedge}{\longrightarrow}$

WO 97/30995

Alternate route:



n = 0, 2

H₂N

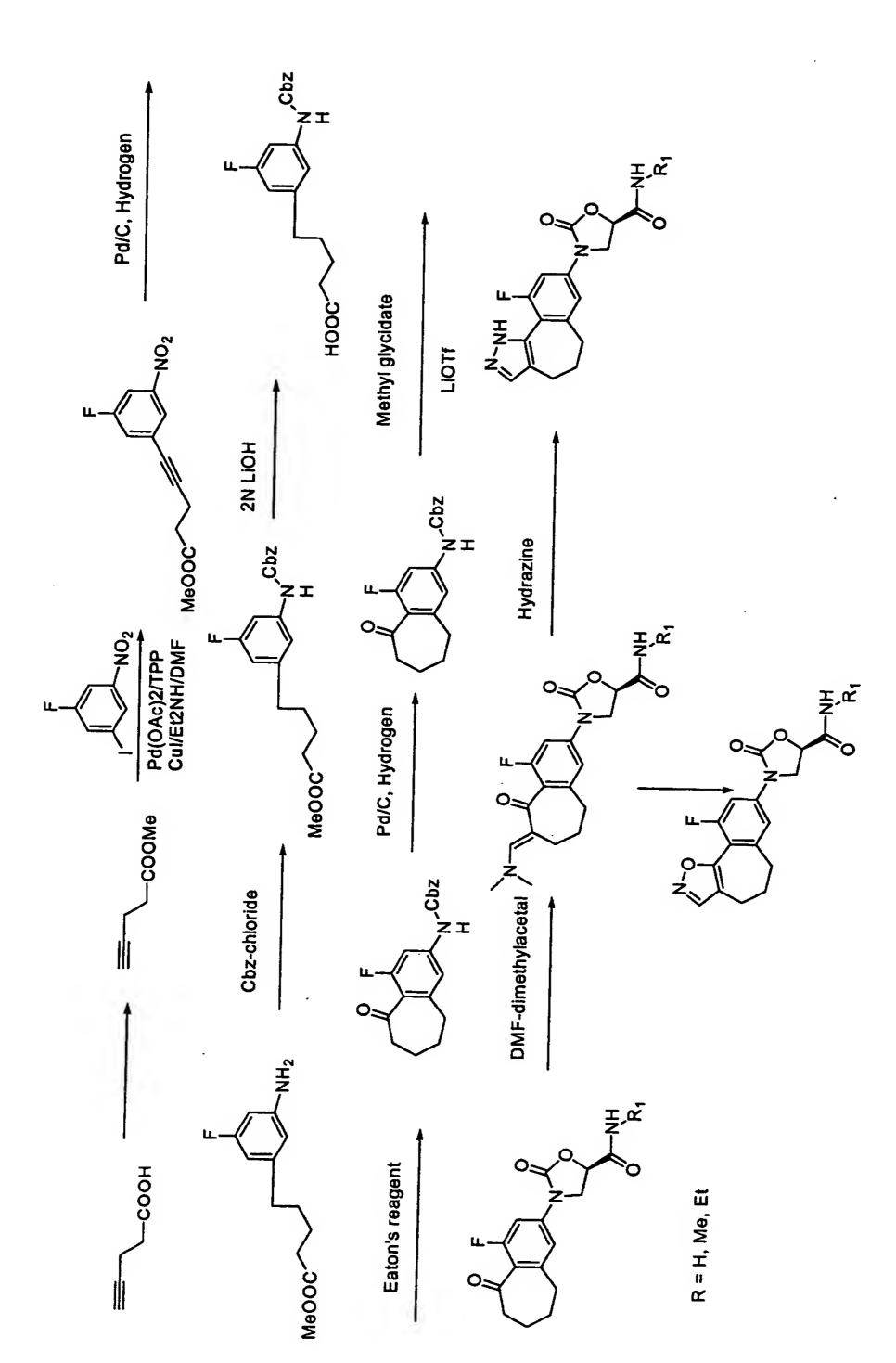
RaRbN-=

R = H, Me, Et X = F

HO NHR,
$$A = 0$$
, $S = 0$, S

Y = 0, S

$$Y = NC(O)CH_2OH$$
, SO_n
 $X = H$, F
 $X = H$, F



Hydrazine

Hydroxylamine

OTBAF in the case of OTBS example